

Product Data Sheet

Product Name: L-Cysteine hydrochloride

Cat. No.: GC36431

Chemical Properties

Cas. No. 52-89-1

SMILES N[C@@H](CS)C(O)=O.[H]Cl

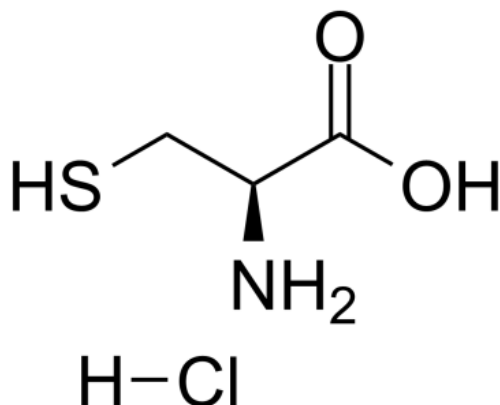
Formula $C_3H_8ClNO_2S$ M.Wt 157.62

Solubility Water: 100 mg/mL (634.44 mM) Storage Store at RT

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

L-Cysteine hydrochloride is a conditionally essential amino acid, which acts as a precursor for biologically active molecules such as hydrogen sulphide (H₂S), glutathione and taurine. L-Cysteine hydrochloride suppresses ghrelin and reduces appetite in rodents and humans[1].

[1]. McGavigan AK, et al. L-cysteine suppresses ghrelin and reduces appetite in rodents and

Caution: Product has not been fully validated for medical applications. For research use only.

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humans. Int J Obes (Lond). 2015 Mar;39(3):447-55.

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